



BUREAU OF INDIAN STANDARDS

Program of Work

FAD 20 : Agriculture And Food Processing Equipments

Scope: A) Equipment for primary processing operations like cleaning, grading, shelling, washing, polishing, drying and testing for food grains, seeds & horticulture produce. B) Equipment and system for secondary processing like milling, expelling, extraction, crushing of food grains, & horticulture produce. C) By product handling and processing equipments D) Equipment for value addition to agricultural product and by products including packaging E) Crop residue utilization

Liaison: **ISO TC-376 (P): Machinery intended for use with foodstuffs**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10048 : 1999	Rice Grader - Specification (Second Revision)	June, 2020	-	Indigenous
2	IS 10507 : 1998	Paddy Separator - Specification (First Revision)	June, 2020	-	Indigenous
3	IS 10520 : 1989	Agricultural Produce Milling Machinery - Emery Stones for Burr Flour Mills - Specification (First Revision)	June, 2020	-	Indigenous
4	IS 10892 : 1984	Recommendations for Aperture Size of Sieves for Seed Cleaners	June, 2020	-	Indigenous
5	IS 11032 : 2021	Rotary Screen-type Precleaner		-	Indigenous
6	IS 11041 : 1984	Specification for Air - Screen Seed Cleaner	June, 2020	-	Indigenous
7	IS 11459 : 1985	Specification for Power - Operated Chaff Cutter	February, 2022	1	Indigenous
8	IS 11473 : 2002	Groundnut Decorticator - Test Code (First Revision)	February, 2022	-	Indigenous
9	IS 11787 : 1986	Specification for Paddy Dehusker, Rubber Roll Type	June, 2020	-	Indigenous
10	IS 11834 : 2023	Rice Milling $\frac{1}{2}$ Symbols and Flow Diagram (First Revision)		-	Indigenous
11	IS 12064 : 2023	PADDY PARBOILING CODE OF PRACTICE First Revision of IS 12064		-	Indigenous
12	IS 12396 : 1988	Specification for Paddy Cleaner	June, 2020	-	Indigenous
13	IS 12411 : 1988	Specification for Paddy Dehusker, Centrifugal Type	June, 2020	1	Indigenous
14	IS 12576 : 1989	Seed Processing Machinery -	June, 2020	1	Indigenous

		Indented Cylinder Grader - Test Code			
15	IS 12792 : 1989	Agricultural Produce Milling Machinery - Mini Rice Mill - Specification	June, 2020	1	Indigenous
16	IS 12833 : 1989	Agricultural Produce Milling Machinery - Roller Flour Mills - Flow Diagram	June, 2020	-	Indigenous
17	IS 13793 : 1993	Agricultural Produce Milling Machinery - Milling of Pulses - Flow Diagram	June, 2020	1	Indigenous
18	IS 14442 : 1997	Agricultural Produce Milling Machinery - Burr Mill - Test Code	June, 2023	-	Indigenous
19	IS 14460 : 1997	Seed Processing Equipment - Gravity Separator - Specification	June, 2023	-	Indigenous
20	IS 14603 : 2023	POTATO GRADER TEST CODE First Revision of IS 14603		-	Indigenous
21	IS 1511 : 1979	Specification for Blades for Manually - Operated Chaff Cutter (Second Revision)	February, 2022	3	Indigenous
22	IS 15542 : 2005	Power - Operated Chaff Cutter - Safety Requirements	June, 2020	-	Indigenous
23	IS 15561 : 2005	Sugarcane Crushers - Safety Requirements	June, 2020	1	Indigenous
24	IS 15829 : 2009	Cassava Chipping Machine - Hand Operated - Specification	June, 2020	-	Indigenous
25	IS 15831 : 2009	Grader - Citrus - Size Based	June, 2020	-	Indigenous
26	IS 15855 : 2010	Cotton Seed Delinting Machinery - Surge Bin Machine - Specification	June, 2020	-	Indigenous
27	IS 15856 : 2010	Cotton Seed Delinting Machinery - Pre-Heating Machine - Specification	June, 2020	-	Indigenous
28	IS 15857 : 2009	Cotton Seed Delinting Machinery Mobile - Charging Machine - Specification	June, 2020	-	Indigenous
29	IS 15858 : 2013	Cotton Seed Delinting Machinery - Delinting Machine with Electrical Heating and Hydraulic System - Specification	June, 2023	-	Indigenous
30	IS 15859 : 2013	Cotton Seed Delinting Machinery - Buffing Machine With Air Jet and Nylon Brush - Specification	June, 2023	-	Indigenous
31	IS 15860 : 2013	Cotton Seed Delinting Machinery - Ammonia Cotton Seed Neutralizer Machine With Ammonia Vaporizer - Specification	June, 2023	-	Indigenous
32	IS 15861 : 2013	Cotton Seed Delinting Machinery - Pollution Control System with Scrubber, Cyclone, Chimney, Hoods and Ducting - Specification	June, 2023	-	Indigenous
33	IS 15862 : 2013	Cotton Seed Delinting Machinery - HCL Gas Generation Unit - Specification	June, 2023	-	Indigenous
34	IS 15863 : 2009	Cotton Seed Delinting Machinery - Inclined Flight Belt Conveyor - Specification	June, 2020	-	Indigenous
35	IS 17754 (Part 1) : 2022	Agricultural grain driers - Determination of drying		-	Identical under dual numbering

	11520-1:1997 11520-1:1997	performance-Part1:General			
36	IS 17754 (Part 2) : 2022 11520-2:2001 11520-2:2001	Agricultural grains driers - Determination of drying performance - Part 2 Additional procedures and Crop Specific requirements		-	Identical under dual numbering
37	IS 17853 : 2022	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE KERNEL - SPECIFICATION		-	Indigenous
38	IS 17854 : 2022	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION		-	Indigenous
39	IS 18145 : 2023	Vegetable Cutting Machine		-	Indigenous
40	IS 18267 : 2023	Food Serving Utensils Made From Agri By-Products i½ Specifications		-	Indigenous
41	IS 18313 : 2023	DEHUSKER SHELLER FOR MAIZE SPECIFICATION		-	Indigenous
42	IS 1973 : 1999	Sugarcane Crushers - Specification (Third Revision)	June, 2020	-	Indigenous
43	IS 5718 : 2000	Agricultural Produce Processing Equipment - Seed Cleaners - Test Code (Second Revision)	June, 2020	-	Indigenous
44	IS 6997 : 2021	Test code for sugarcane crushers		-	Indigenous
45	IS 7051 : 2023	POWER OPERATED MAIZE SHELLERS - SPECIFICATION First Revision of IS 7051		-	Indigenous
46	IS 7052 : 1973	Test Code for Power Maize Shellers	February, 2021	-	Indigenous
47	IS 7897 : 1975	Test Code for Chaff Cutter	February, 2022	1	Indigenous
48	IS 7898 : 2001	Manually - Operated Chaff Cutter - Specification (Second Revision)	February, 2022	-	Indigenous
49	IS 8108 (Part 1) : 2019	Methods of Test for Grain Dryers : Part 1 Selection and Preparation for Test (Second Revision)	-	-	Indigenous
50	IS 8108 (Part 2) : 1984	Test Code for Grain Dryers : Part 2 Method of Tests for Continuous Dryers	February, 2022	-	Indigenous
51	IS 8108 (Part 3) : 1985	Test Code for Grain Dryers : Part 3 Methods of Tests for In-Silo Dryers	February, 2022	-	Indigenous
52	IS 8420 : 2000	Grain Dryers - Glossary of Terms (First Revision)	June, 2020	-	Indigenous
53	IS 8427 : 2023	AGRICULTURAL PRODUCE MILLING MACHINERY RUBBER ROLL FOR PADDY DEHUSKER SPECIFICATION Second Revision of IS 8427		-	Indigenous
54	IS 8440 : 2023	PADDY CLEANERS TEST CODE		-	Indigenous
55	IS 8824 (Part 1) : 2022	Electrical Moisture Meters i½ Specification: Part 1 Food Grains Seeds And Flour (First Revision)		-	Indigenous

56	IS 9049 : 2023	AGRICULTURAL PRODUCE MILLING MACHINERY PADDY DEHUSKER RUBBER ROLL TYPE TEST CODE Second Revision of IS 9049		-	Indigenous
57	IS 9555 : 1999	Rice Polisher - Specification (Second Revision)	June, 2020	-	Indigenous
58	IS 9981 : 2020	Agricultural Produce Processing Equipment — Glossary of Terms (Second Revision)		-	Indigenous

Standards under Development

Projects Approved

Sl. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

Sl. No.	Doc No.	Title
1	FAD 20 (17388)	Seeds and Grain Processing and Storage Engineering Terminology
2	FAD 20 (20568)	SEED COTTON CYLINDER CLEANERS TEST CODE
3	FAD 20 (21688)	CARROT RADISH WASHER TEST PROCEDURE AND RECOMMENDATIONS ON SELECTED PERFORMANCE CHARACTERISTICS
4	FAD 20 (21766)	Single Screw Extruder - Specification
5	FAD 20 (24218)	Pearler Cum Polisher for Millets - Specification

Drafts Standards in WC Stage

Sl. No.	Doc No.	Title
1	FAD 20 (17385) Revision of: IS 15831:2009	Grader Citrus Size Based First Revision
2	FAD 20 (22769)	CLEANER CUM GRADER FOR MILLETS WITH PRE-CLEANER SPECIFICATION AND TEST CODE
3	FAD 20 (22779)	Centrifugal Type Millet Dehusker - Specification
4	FAD 20 (22780)	DESTONER FOR MILLETS - SPECIFICATION AND TEST CODE
5	FAD 20 (22781)	SYMBOLS AND FLOW DIAGRAM FOR PRIMARY PROCESSING OF MILLETS

Draft Standards Completed WC Stage

Sl. No.	Doc No.	Title
1	FAD 20 (20567)	SPIRAL GRADER TEST CODE

Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
1	FAD 20 (20655) Revision of: IS 9555:1999	RICE POLISHER SPECIFICATION Third Revision of IS 9555
2	FAD 20 (20660) Revision of: IS 10048:1999	RICE GRADER SPECIFICATION Third Revision of IS 10048
3	FAD 20 (20699) Revision of: IS 11787:1986	PADDY SEPARATOR SPECIFICATION First Revision of IS 11787
4	FAD 20 (20702) Revision of: IS 12411:1988	PADDY DEHUSKER CENTRIFUGAL TYPE SPECIFICATION First Revision of IS 12411
5	FAD 20 (20711) Revision of: IS 10507:1998	PADDY SEPARATOR SPECIFICATION Second Revision of IS 10507
		PADDY CLEANERS SPECIFICATION First Revision of IS 12396

6	FAD 20 (20718) Revision of: IS 12396:1988	
7	FAD 20 (21045) Revision of: IS 12792:1989	AGRICULTURAL PRODUCE MILLING MACHINERY MINI RICE MILL SPECIFICATION First Revision of IS 12792
8	FAD 20 (21454) Revision of: IS 7898:2001	Manually Operated Chaff Cutter - Specification Third Revision of IS 7898
9	FAD 20 (21455) Revision of: IS 11459:1985	CHAFF CUTTER POWER OPERATED SPECIFICATION First Revision of IS 11459

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Total Published Standards:58 Total Standards Under development:20

Aspect Wise Report

Product : 34
Code of Practices : 1
Methods of Test : 15
Terminology : 5
Dimensions : 1
System Standard : 0
Safety Standard : 2
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10048 : 1999	Rice Grader - Specification Second Revision
2	IS 10507 : 1998	Paddy Separator - Specification First Revision
3	IS 10520 : 1989	Agricultural Produce Milling Machinery - Emery Stones for Burr Flour Mills - Specification First Revision
4	IS 11032 : 2021 ISO/IEC 24735:2021	Rotary Screen-type Precleaner
5	IS 11041 : 1984	Specification for Air - Screen Seed Cleaner
6	IS 11459 : 1985	Specification for Power - Operated Chaff Cutter
7	IS 11787 : 1986	Specification for Paddy Dehusker Rubber Roll Type
8	IS 12396 : 1988	Specification for Paddy Cleaner
9	IS 12411 : 1988	Specification for Paddy Dehusker Centrifugal Type
10	IS 12792 : 1989	Agricultural Produce Milling Machinery - Mini Rice Mill - Specification

11	IS 14460 : 1997	Seed Processing Equipment - Gravity Separator - Specification
12	IS 1511 : 1979	Specification for Blades for Manually - Operated Chaff Cutter Second Revision
13	IS 15829 : 2009	Cassava Chipping Machine - Hand Operated - Specification
14	IS 15831 : 2009	Grader - Citrus - Size Based
15	IS 15855 : 2010	Cotton Seed Delinting Machinery - Surge Bin Machine - Specification
16	IS 15856 : 2010	Cotton Seed Delinting Machinery - Pre-Heating Machine - Specification
17	IS 15857 : 2009	Cotton Seed Delinting Machinery Mobile - Charging Machine - Specification
18	IS 15858 : 2013	Cotton Seed Delinting Machinery - Delinting Machine with Electrical Heating and Hydraulic System - Specification
19	IS 15859 : 2013	Cotton Seed Delinting Machinery - Buffing Machine With Air Jet and Nylon Brush - Specification
20	IS 15860 : 2013	Cotton Seed Delinting Machinery - Ammonia Cotton Seed Neutralizer Machine With Ammonia Vaporizer - Specification
21	IS 15861 : 2013	Cotton Seed Delinting Machinery - Pollution Control System with Scrubber Cyclone Chimney Hoods and Ducting - Specification
22	IS 15862 : 2013	Cotton Seed Delinting Machinery - HCL Gas Generation Unit - Specification
23	IS 15863 : 2009	Cotton Seed Delinting Machinery - Inclined Flight Belt Conveyor - Specification
24	IS 17853 : 2022 ISO/TR19024:2016	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE KERNEL - SPECIFICATION
25	IS 17854 : 2022 IEC 60384-14-1: 2016	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION
26	IS 18145 : 2023	Vegetable Cutting Machine
27	IS 18267 : 2023	Food Serving Utensils Made From Agri By-Products Specifications
28	IS 18313 : 2023	DEHUSKER SHELLER FOR MAIZE SPECIFICATION
29	IS 1973 : 1999	Sugarcane Crushers - Specification Third Revision
30	IS 7051 : 2023	POWER OPERATED MAIZE SHELLERS - SPECIFICATION First Revision of IS 7051
31	IS 7898 : 2001	Manually - Operated Chaff Cutter - Specification Second Revision
32	IS 8427 : 2023	AGRICULTURAL PRODUCE MILLING MACHINERY RUBBER ROLL FOR PADDY DEHUSKER SPECIFICATION Second Revision of IS 8427
33	IS 8824 (Part 1) : 2022	Electrical Moisture Meters Specification Part 1 Food Grains Seeds And Flour First Revision
34	IS 9555 : 1999	Rice Polisher - Specification Second Revision